

Preliminary Amendment

Applicant: Peter M.J. Mulier et al.

Serial No.: 10/014,388

Filing Date: October 22, 2001

Docket No.: P-8163.01 Cont 1 (M190.105.101)

Title: HELICAL NEEDLE APPARATUS FOR CREATING A VIRTUAL ELECTRODE USED FOR THE
ABLATION OF TISSUE

7.(Cancelled)

8.(Cancelled)

9.(Cancelled)

10.(Cancelled)

11.(Cancelled)

12.(Cancelled)

13.(Cancelled)

14.(Cancelled)

15.(Cancelled)

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16.(Cancelled)

17.(Cancelled)

18.(Cancelled)

19.(Cancelled)

20.(Cancelled)

21.(Newly Presented) A surgical apparatus comprising:

a first coil and a second coil;

the first coil further comprising a first helical coil and the second coil further comprising

a second helical coil, the first helical coil and the second helical coil wound

parallel to one another;

at least one conductive fluid delivery opening configured for delivering a conductive fluid to tissue; and

the first helical coil serving as a first electrode and the second helical coil serving as a second electrode; the first electrode and the second electrode configured to apply electric current to the tissue through the conductive fluid.

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22.(Newly Presented) The surgical apparatus according to claim 21, further comprising a plurality of conductive fluid delivery openings configured for delivering the conductive fluid to tissue.

23.(Newly Presented) The surgical apparatus according to claim 22, wherein the plurality of conductive fluid delivery openings are located along the length of the first coil and along the length of the second coil.

24.(Newly Presented) The surgical apparatus according to claim 21, wherein the conductive fluid delivery opening comprises a hole.

25.(Newly Presented) The surgical apparatus according to claim 21, wherein the conductive fluid delivery opening comprises a slit.

26.(Newly Presented) The surgical apparatus according to claim 21, wherein at least one of the first helical coil and the second helical coil provides a fluid path therein.

27.(Newly Presented) The surgical apparatus according to claim 26, wherein the fluid path provides the conductive fluid from a fluid source to the conductive fluid delivery opening.

28.(Newly Presented) The surgical apparatus according to claim 21, wherein the conductive fluid delivery opening further comprises an electrode opening.

29.(Newly Presented) The surgical apparatus according to claim 21, wherein the first coil is provided by a first needle and the second coil is provided by a second needle.

30.(Newly Presented) The surgical apparatus according to claim 21, wherein the first needle is hollow and the second needle is hollow.
